

Proposed Amendments to the Area Designations

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Outline

- Designation Criteria and Terminology
- Proposed Area Redesignations
- Questions & Answers

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Designation Criteria

- Affected Pollutants
- Data to Use
- Data Availability
- Size of Designated Areas
- Review of Designations
- Highly Irregular or Infrequent Events
- Designation Categories

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Affected Pollutants

■ Nine Pollutants*:

Ozone	Particulate Matter
Carbon Monoxide	Sulfates
Nitrogen Dioxide	Lead
Sulfur Dioxide	Hydrogen Sulfide
Visibility Reducing Particles	

* CCR, Title 17, Section 70200

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Data to Use

- "Data for Record"
 - Meet siting & QA procedures
 - Monitoring by ARB, Districts, and Others
- Use most recent 3-year period:
Provides stability

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Data Appropriateness

- At Least 75% of the data are available for the high concentration period
 - For each pollutant
 - High concentration period varies from site to site

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Size of Designated Areas

- Air Basin: Ozone, NO₂, PM₁₀, Sulfates, & Visibility Reducing Particles
- County: CO, SO₂, Lead, & H₂S
- Smaller areas if justified

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Review of Designations

- Area designations:
Annually, based on 3 recent years of data
- Designation criteria:
Periodic reviews

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Exceedance vs. Violation

- Exceedance: Concentration higher than the level of State standard
- Violation: An exceedance Not excluded as affected by a "Highly Irregular or Infrequent Event"
- NOT all exceedances are violations

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Highly Irregular or Infrequent Events

- Beyond reasonable regulatory control
- Exceedances get excluded
- All exceedances remain in data base
- 3 Types of events

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Highly Irregular or Infrequent Events :

- Extreme Concentration Event
- Exceptional Event
- Unusual Concentration Event

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Extreme Concentration Event

- May or may not have an identifiable cause
- Based on a statistical calculation
- Expected Peak Day Conc. (EPDC):
Concentration expected to recur less frequently than once per year

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Exceptional Event

- Must have identifiable cause
- Based on U.S. EPA Guidelines
- Examples:
 - forest fires
 - unusually high winds

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Unusual Concentration Event

- Anomalous exceedance
- Attainment or Unclassified areas only
- Requires specific findings

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Designation Categories

- Nonattainment
- Nonattainment-Transitional
 - Ozone
 - Other Pollutants
- Attainment
- Unclassified

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Nonattainment

- 1 or more Violations at any site in the last 3 years

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Nonattainment-Transitional

- Ozone:
 - 3 or fewer Exceedances at each site during the last year
 - By “Operation of Law”
 - Designated Area = District
 - Data Representative & Complete for high site(s)

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Nonattainment-Transitional

- For Pollutants Other Than Ozone:
 - 2 or fewer Violations at each site during the last year

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Attainment

- Attainment:
 - No Violations in the last 3 years
 - High Site(s) Data Complete & Representative

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Unclassified

- Insufficient data

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Proposed 2002 Area Designations

See Separate Handout

Questions

General Discussion